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**BIRDS OBSERVED IN CENTRAL CALIFORNIA IN THE SUMMER OF 1893.**

BY JOHN VANDENBURGH.

It was my good fortune in the summer of 1893 to be one of a party of five who, during the weeks from June 21st to July 27th, fairly lived in the saddle, riding nearly eight hundred miles through the Coast Range, interior valleys and Sierra Nevada of California. The other members of the party were Dr. Charles H. Gilbert, Dr. W. W. Thoburn and Professor C. B. Wing of Leland Stanford Junior University, and the Rev. Mr. Briggs, then of San Francisco.

The main object of the expedition was the gathering of material which would throw light upon certain problems connected with the fish fauna of the streams in the vicinity of Mt. Whitney, but all forms of vertebrate life received more or less attention. My time was devoted chiefly to the birds and reptiles, the latter, perhaps, receiving the major share. Owing to the rapid rate at which it was necessary to travel, opportunities for collecting were not of the best, but the ornithological observations made, are presented in the hope that they may be of interest from the fact that most of the birds were in their breeding ranges and, in many instances, in localities seldom visited by the ornithologist.

Our route lay in Santa Clara County from Los Gatos and Palo Alto to Saratoga, and thence to Boulder Creek in Santa Cruz County; June 21st, Santa Cruz; June 22d, Soquel, Aptos and Watsonville; June 23d, San Juan, Hollister and Tres Pinos; June 24th, up the valley of the San Benito River to San Benito, Hernandez, Hepsadan Mountain and Erie; June 26-29, across a divide to the Los Gatos Creek, June 29th, and then down this stream and through Pleasant Valley to Huron, June 30th. From Huron we crossed the San Joaquin Valley, by way of Lemoore, Armona and Hanford, to Visalia, July 1-3d. From Visalia we went to Three Rivers and then up the east fork of the Kaweah River to Cain's Flat, Weishar Mill and Mineral King, July 4-6th. Crossing Farewell Gap, we spent a day in Shotgun Cañon close to Little Kern River, and then went on to Trout Meadows and the south fork of Kern River, reaching Little Kern River Lake July 12th and Soda Springs or Big

Kern River Lake one day later. Our trail then lead us up Whitney Creek to its headwaters, across to Cottonwood Creek and thus down to Owen's Lake and Lone Pine, July 14-16th. From Lone Pine we returned to San Francisco by way of Independence (July 17th), Big Pine (July 18th), Round Valley (July 19th), McGee's (July 20th), Troy's near Mono Lake (July 21st), Mono Pass and Dana Creek (July 22d), Yosemite Valley (July 23d), Crocker's (July 24th), Buena Vista (July 25th), and Stockton (July 26th).

1. *Colymbus nigricollis californicus*. Eared Grebe.

The Eared Grebe was seen only in Owen's Valley, where a single pair were feeding in a small lake near Lone Pine, July 16, 1893.

2. *Podilymbus podiceps*. Pied-billed Grebe.

A pair of this species inhabited a pond near Watsonville, where we camped, June 23d.

3. *Ardea herodias*. Great Blue Heron.

This heron was observed at Watsonville, June 23d. It was common along the San Benito River, June 29th, and several were hunting in the alfalfa fields of Pleasant Valley, June 30th.

4. *Ardea virescens*. Green Heron.

The Green Heron was not uncommon along the San Benito River from Tres Pinos to San Benito, June 24-27th. One was observed on the east fork of the Kaweah River, July 5th.

5. *Fulica americana*. American Coot.

Two Coots were playing in Little Kern River Lake early in the morning of July 13th. In Owen's Valley a number were seen on a small lake near Lone Pine, July 16th.

6. *Actitis macularia*. Spotted Sandpiper.

This loud voiced wader was seen at Kern River Lake, July 13th and 14th.

7. *Ægialitis vocifera*. Killdeer.

The Killdeer was observed near Watsonville, June 24th; at Tres Pinos, where it was very abundant along the San Benito Creek, June 25th, and along the Los Gatos Creek and in Pleasant Valley, June 30th. In the San Joaquin Valley, this bird was the almost constant accompaniment of water, July 1-4th. In Owen's Valley, many were seen along the streams and irrigation ditches between Lone Pine and Bishop, July 16-19th.

8. *Oreortyx pictus plumiferus*. Plumed Partridge.

A large covey was observed near Mineral King, July 7th. Several were seen near Shotgun Cañon, July 11th, and a pair with half grown young were flushed between Trout Meadows and Kern River Lakes, July 12th. A single adult male was seen at Crocker's, July 25th.

9. *Callipepla californica*. California Quail.

This quail was heard constantly between Saratoga and Boulder, June 21st.

10. *Callipepla californica vallicola*. Valley Quail.

Valley Quail were very abundant along the east fork of the Kaweah River, July 4-5th.

11. *Dendragapus obscurus fuliginosus*. Sooty Grouse.

The Sooty Grouse was well represented at an altitude of about 8,000 feet near Mineral King. Here they were heard at all times of the day, and a female was seen with her covey of young, then about the size of Valley Quail, July 7th. Several were observed by Dr. Gilbert at the head of Shotgun Cañon, July 10th.

12. *Zenaidura macroura*. Mourning Dove.

This species was first observed at Watsonville, where it was common in the grain fields. After leaving Watsonville, it was with us constantly to San Juan, Hollister, Tres Pinos, up the valley of San Benito Creek, across into that of the Los Gatos, thence down Pleasant Valley to Huron, across the San Joaquin Valley to Visalia, and up the east fork of the Kaweah River to Cain's Flat, at the lower limit of pines, June 24th, July 5th. Doves were very abundant in Owen's Valley, from Lone Pine to Bishop, July 16th-19th.

13. *Pseudogryphus californianus*. California Vulture.

A single individual of this species was seen sitting on a fencepost near the road between Big Pine and Bishop Creek in Owen's Valley, July 19th.

14. *Cathartes aura*. Turkey Vulture.

Buzzards were noted at Aptos, Watsonville, San Juan, Hollister, Tres Pinos, San Benito, Hernandez, Visalia, Three Rivers and Cain's Flat. East of the Sierra Nevada several were seen in Owen's Valley, and a dead one was found in Long Valley.

15. *Circus hudsonius*. Marsh Hawk.

A hawk of this species was seen near Big Pine, Owen's Valley, July 19th.

16. *Accipiter velox*. Sharp-shinned Hawk (?).

A bird thought to be of this species was seen near San Benito, June 27th.

17. *Buteo borealis calurus*. Western Red-tailed Hawk.

Several Western Red-tails were sailing high in the air near Aptos, June 23d. The species was next seen at Tres Pinos, June 26th, but was not again observed until the party reached Dana Creek, above the Yosemite Valley, where one was shot July 23d.

18. *Aquila chrysaetos*. Golden Eagle.

The only eagle seen flew from the ground near an irrigation ditch to a large oak, near Visalia, July 3d.

19. *Falco sparverius deserticolus*. Desert Sparrow Hawk.

This species was first met at Soquel, where a single individual was seen June 23d. Others were observed near San Juan and Tres Pinos, June 24th. On June 27th one was seen near San Benito, feeding four young which had recently left the nest.

20. *Glaucidium gnoma californicum*. California Pigmy Owl.

A Pigmy Owl was brought to me at Boulder by some boys who had shot it as it flew about their camp among the redwoods at noon June 22d.

21. *Speotyto cunicularia hypogæa*. Burrowing Owl.

A number of Burrowing Owls were seen near San Juan, June 24th. In Pleasant Valley and between there and Huron this species was very common, and often whole families of them could be seen on or near the mounds which contained their nesting burrows. June 30th, several were seen at various points in the San Joaquin Valley.

22. *Geococcyx californianus*. Road-runner.

A Road-runner shot by Dr. Thoburn near Big Pine, July 18th, was the only one observed.

23. *Ceryle alcyon*. Belted Kingfisher.

One Kingfisher was seen near Tres Pinos, June 26th.

24. *Dryobates pubescens gairdnerii*. Gairdner's Woodpecker.

This Woodpecker was very abundant along the San Benito Creek, June 25th to 28th.

25. *Dryobates nuttallii*. Nuttall's Woodpecker.

Nuttall's Woodpecker was observed only on the east fork of the Kaweah River near Cain's Flat, July 5th.

26. *Xenopicus albolarvatus*. White-headed Woodpecker.

The White-headed Woodpecker was very common among the pines between Weishar Mill and Mineral King, July 7th.

27. *Sphyrapicus ruber*. Red-breasted Sapsucker.

Several "Red-headed Woodpeckers" were busy in the pines at Kern River Lakes, July 13th.

28. *Sphyrapicus thyroideus*. Williamson's Sapsucker.

This bird was quite common among the pines and sequoias near Weishar Mill, July 7th. Several were seen near Kern River Lakes, July 12th to 14th.

29. *Ceophlæus pileatus*. Pileated Woodpecker.

A bird of this species was noted at Weishar Mill, July 6th.

30. *Melanerpes formicivorus bairdi*. California Woodpecker.

This showy bird was usually seen in flocks of from three to a dozen individuals. It was noted among the redwoods at Boulder, June 21st, and in the oaks near Watsonville, San Juan, Tres Pinos and San Benito, June 23d to 27th. In the San Joaquin Valley it was common—particularly so near Visalia, July 3d—but ascended the east fork of the Kaweah only to Cain's Flat.

31. *Melanerpes torquatus*. Lewis' Woodpecker.

Many Lewis' Woodpeckers were circling in the air along San Benito Creek between Tres Pinos and Hepsadan Mt., June 25th–29th.

32. *Colaptes cafer*. Red-shafted Flicker.

A Flicker was noted at Watsonville, June 23d; another was seen near San Juan, June 24th, and several were observed in San Benito Valley, June 27th–29th. In the high Sierras three were seen in Shotgun Cañon, July 10th.

33. *Phalaenoptilus nuttallii californicus*. California Poorwill.

Several Poorwills were heard in the foot hills near Tres Pinos throughout the moonlit night of June 25th.

34. *Chordeiles virginianus henryi*? Western Night Hawk.

While all Night Hawks seen were flying so high as to prevent their capture, it seems probable that two, seen near Tres Pinos, June 25th, and also several observed at Kern River Lakes, July 13th, were of this form.

**35. *Chordeiles texensis* ?** Texan Night Hawk.

A number of Night Hawks seen at Big Pine, Owen's Valley, July 18th, were referred to this species.

**36. *Chætura vauxii*.** Vaux's Swift.

Five Vaux's Swifts were seen with a flock of Violet-green Swallows near Boulder, June 21st. It is probable that they were breeding in hollow redwoods.

**37. *Trochilus alexandri*.** Black-chinned Humming-bird.

This Humming-bird was noted only near Lone Pine, where several were observed July 16th.

**38. *Calypte anna*.** Anna's Humming-bird.

Near Watsonville this fine bird frequented the blossoms of the buckeye, June 24th. Several were seen near San Benito, June 26th-27th.

**39. *Selasphorus rufus*.** Rufous Humming-bird.

Two individuals of this little species were observed near Mineral King, July 7th. They were flying about a clump of low bushes at an altitude of about 7,500 feet.

**40. *Tyrannus verticalis*.** Arkansas Kingbird.

The western Kingbird was very common in the vicinity of San Juan, Hollister and Tres Pinos, June 25th. At Tres Pinos a pair had a nest which contained four young nearly ready to fly. The species was observed in the valley of the San Benito as far up as Erie.

In the San Joaquin Valley this bird was very abundant, and several nests had been built upon the crossbars of telegraph poles. It was noted near the east fork of the Kaweah, but disappeared a short distance above Cain's Flat, July 6th.

In Owen's Valley several were noted near Lone Pine and Independence, July 16th-17th.

**41. *Myiarchus cinerascens*.** Ash-throated Flycatcher.

The Ash-throat was quite common in the Coast Range between Saratoga and Boulder, June 21st. It was observed in the hills near Watsonville, June 23d, and at the headwaters of the San Benito Creek, June 29th.

**42. *Sayornis saya*.** Say's Phoebe.

A pair of Say's Phoebes had a nest in a barn in Round Valley, which contained two large young, July 19th.

43. *Sayornis nigricans*. Black Phoebe.

The Black Phoebe was not uncommon at Boulder, June 21st, Watsonville, San Juan and Hollister, June 24th, Tres Pinos June 25th, and San Benito, June 27th. Several were observed along the east fork of the Kaweah, July 4th.

44. *Contopus richardsonii*. Western Wood Pewee.

The Western Wood Pewee was common along the streams near Saratoga and Congress Springs, June 21st, but was not again met except on the east fork of the Kaweah River, where several were observed July 5th.

45. *Pica nuttallii*. Yellow-billed Magpie.

The Yellow-billed Magpie was common at Visalia, July 3d.

46. *Cyanocitta stelleri frontalis*. Blue-fronted Jay.

This Jay was very common in the Coast Range between Saratoga and Boulder, June 21st. It was again noted shortly after entering the coniferous woods on the east fork of the Kaweah, July 6th; was very common at Weishar Mill, and ranged up almost to Mineral King, July 7th.

47. *Aphelocoma californica*. California Jay.

The California Jay was found in the Coast Range between Saratoga and Boulder, June 21st. It was common along the San Benito Creek from Tres Pinos to its source, June 15th-29th, and was again observed at Visalia and along the east fork of the Kaweah to the lower limit of pines.

48. *Corvus americanus*. Crow.

Crows were abundant near San Benito, June 27th, and several small flocks were seen in Pleasant Valley, June 30th. They were very numerous between Visalia and Three Rivers, July 3d.

49. *Nucifraga columbiana*. Clark's Nutcracker.

A noisy troop of Clark's Crows was observed almost at the top of Farewell Gap, July 8th. The species was again seen near the head waters of the south fork of the Kern River, July 15th.

50. *Agelaius phoeniceus*. Red-winged Blackbird.

Red-wings were many near Watsonville, June 24th. A few were seen at Trout Meadows, July 12th, and several near Lone Pine, July 17th.



51. *Sturnella magna neglecta*. Western Meadow Lark.

This Meadow Lark was abundant in the fields near Watsonville, San Juan, Hollister and Tres Pinos, June 23d to 26th, and in almost all parts of the San Joaquin Valley where any low vegetation grew July 1st to 4th.

52. *Icterus bullocki*. Bullock's Oriole.

Bullock's Oriole was observed near the following places: San Juan and Hollister, June 24th; Tres Pinos, where a pair had a nest which contained large young, June 25th; San Benito, June 27th; Erie, June 29th; Los Gatos Creek, June 30th; Lemoore, July 1st; Visalia, July 4th; east fork of the Kaweah River, July 5th; and Yosemite Valley, July 24th.

53. *Scolecophagus cyanocephalus*. Brewer's Blackbird.

Brewer's Blackbird was noted near the following places: Saratoga, June 21st; Watsonville, June 23d; San Juan, June 24th; Hollister, June 24th; Tres Pinos, June 26th; San Benito, June 27th; Lemoore, July 1st; and Trout Meadows, July 12th.

54. *Carpodacus purpureus californicus*. California Purple Finch.

The California Purple Finch was not uncommon in the Coast Range near Boulder, June 21st. Three were seen near Watsonville, June 23d.

55. *Carpodacus cassinii*. Cassin's Purple Finch.

Cassin's Finch was first seen a mile or two below Mineral King, on the east fork of the Kaweah, July 7th. They were much more numerous in Shotgun Cañon, July 8th to 10th.

56. *Carpodacus mexicanus frontalis*. House Finch.

The "Redhead" was found near Watsonville, San Juan, and Hollister, June 24. It was plentifully distributed in San Benito Valley from Tres Pinos up to the divide. A pair had a nest in a tin can hung in the porch of a farm house on the east fork of the Kaweah River, which contained two young birds, July 4th.

57. *Leucosticte tephrocotis*. Gray-crowned Leucosticte.

Farewell Gap was filled with snow on July 8th, and here several small flocks of Gray-crowned Finches were busily feeding on small flies and grubs. A single bird of this species was seen in Mono Pass, July 22d.

58. *Spinus tristis*. American Goldfinch.

The American Goldfinch was observed only near Watsonville, June 23. It is abundant near Monterey in May and June, where

it is associated with *S. psaltria*, *S. lawrencei*, *S. pinus*, *Carpodacus purpureus californicus* and *C. mexicanus frontalis*.

59. *Spinus psaltria*. Green-backed Goldfinch.

"Wild Canaries" were many between Santa Cruz and San Benito, June 22d to 27th. Others were noted at the headwaters of the San Benito Creek, June 29th.

60. *Spinus lawrencei*. Lawrence's Goldfinch.

Several Lawrence's Goldfinches were seen near San Benito, June 26th. The species was not observed elsewhere.

61. *Chondestes grammacus strigatus*. Western Lark Finch.

The "Field Sparrow" was very common in the grain fields near Watsonville, San Juan, Tres Pinos and San Benito, June 23d to 27th. It was seen also at Armona, in the San Joaquin Valley, July 1st.

62. *Zonotrichia leucophrys*. White-crowned Sparrow.

The White-crowned Sparrow breeds commonly near Weishar Mill and extends its range up the east fork of the Kaweah to an altitude of about 10,500 feet. Here several were heard singing where more than half the ground was covered with snow, July 8th. A nest, found near the source of Owen's River, contained four young, apparently just hatched, July 21st.

63. *Spizella socialis arizonæ*. Western Chipping Sparrow.

Chipping Sparrows were quite common in San Benito Valley, June 26th to 29th.

64. *Junco hyemalis thurberi*. Thurber's Junco.

Thurber's Junco was everywhere throughout the timbered regions near Mineral King, July 7th, Shotgun Cañon, July 9th-11th, Kern River Lakes, July 13-14th, and Little Yosemite, July 23d. Near Weishar Mill a nest was found which contained three small, young, July 7th, while one near Kern River Lakes contained four nearly fresh eggs, July 14th.

65. *Junco hyemalis pinosus*. Point Pinos Junco.

This Junco, described from Monterey, was found breeding abundantly in the Coast Range from the vicinity of Saratoga to Boulder, June 21st. At Boulder it was even more common than at Monterey in May.

66. *Amphispiza belli nevadensis*. Sage Sparrow.

Several birds of this species were shot near Big Pine, Owen's Valley, July 18th.

67. *Melospiza fasciata samuelis*. Samuel's Song Sparrow.

This bird was common near Saratoga, June 21st.

68. *Melospiza fasciata heermanni*. Heermann's Song Sparrow.

A few were found at Lone Pine, July 17th.

69. *Passerella iliaca megarhyncha*. Thick-billed Sparrow.

The Thick-billed Sparrow was observed only between Shotgun Cañon and Trout Meadows, July 11th.

70. *Pipilo maculatus oregonus*. Oregon Towhee.

This species was constantly present in the Coast Range between Saratoga and Boulder. Many of the specimens approach *P. m. megalonyx*.

71. *Pipilo fuscus crissalis*. Californian Towhee.

The California Towhee was rarely out of sight between Saratoga and Santa Cruz, June 21st-22d. Several were seen near Watsonville, June 23d, Hollister, June 24th, San Benito, June 26th, and Erie, June 29th.

72. *Habia melanocephala*. Black-headed Grosbeak.

This Grosbeak enlivened the woods between Saratoga and Boulder, June 21st. It was again observed at Aptos, June 23d, and was abundant in San Benito Valley, June 25th-29th. One was seen in Yosemite Valley, July 24th.

73. *Guiraca caerulea eurhyncha*. Western Blue Grosbeak.

The Western Blue Grosbeak was first observed near Lemoore in the San Joaquin Valley, July 1st. In Owen's Valley it was common near Independence, July 18th.

74. *Passerina amoena*. Lazuli Bunting.

The Lazuli Buntings were singing along the road between Saratoga and Boulder, June 21st. Several were observed near Watsonville, June 24th, between San Juan and Hollister, June 24th, and in San Benito Valley, June 26th-29th. In Owen's Valley the species was seen a number of times near Lone Pine, July 16th-17th. One was found in Yosemite Valley, July 24th.

75. *Piranga ludoviciana*. Western Tanager.

The Western Tanager was observed on the east fork of the Kaweah River from Cain's Flat to near Mineral King, July 6th-7th. It was common in Shotgun Cañon, July 9th-11th.

**76. *Petrochelidon lunifrons*.** Cliff Swallow.

Cliff Swallows were plentiful in the region around Soquel, Aptos, Watsonville, San Juan, Hollister, Tres Pinos, San Benito and Erie, June 23d-29th. A colony had about a hundred nests fastened to the side of a cliff near San Benito. Ten of these nests were examined June 26th. One held three fresh eggs, two each contained three adult birds, the others were empty.

In Owen's Valley this species was very abundant at Lone Pine, July 17th, at Independence, July 18th, at Big Pine, July 19th, and near Bishop, July 20th.

**77. *Chelidon erythrogaster*.** Barn Swallow.

The Barn Swallow was rare near Tres Pinos, June 26th. It was not again met until Owen's Valley was reached, where it was found associated with *P. lunifrons* at all points visited. Two young, which had just left the nest, were sitting on a rafter in a barn at Big Pine, July 18th. A nest near Bishop contained fresh eggs, July 19th.

**78. *Tachycineta thalassina*.** Violet-green Swallow.

Several Violet-green Swallows were flying with the swifts at Boulder, June 21st, and a few were seen in San Benito Valley, June 26th-28th.

**79. *Phainopepla nitens*.** Phainopepla.

A bird of this species was seen in the Valley of the Los Gatos Creek, June 30th. Several "White-winged Blackbirds" were observed on the east fork of the Kaweah, a short distance above Three Rivers, July 4th.

**80. *Lanius ludovicianus gambeli*.** California Shrike. (?)

A Shrike was seen at Watsonville, June 23d, and others at Hollister and Tres Pinos, June 24th. A number were in the lower part of San Benito Valley, June 26th-27th, and in the San Joaquin Valley near Huron and Armona, July 1st.

**81. *Vireo gilvus*.** Warbling Vireo.

The Warbling Vireo was encountered only in San Benito Valley, where it was not uncommon, June 27th-28th.

**82. *Helminthophila celata lutescens*.** Lutescent Warbler.

This warbler was singing everywhere in the Coast Range near Boulder, June 21st, but was not again observed until near Mineral King, where several were feeding at an altitude of 7,400 feet, July 7th.

**83. *Dendroica aestiva*.** Yellow Warbler.

Several Yellow Warblers were playing in the bushes near Saratoga, June 21st. One was noted at Watsonville, June 23d, and the species was well represented in the San Benito Valley, June 26th-28th.

**84. *Dendroica occidentalis*.** Hermit Warbler.

A single male of this species was seen among the willows at Mineral King, July 8th.

**85. *Clinclus mexicanus*.** Ousel.

Two Ousels were flirting on a raft of logs under a bridge in the town of Boulder, June 22d. One was observed near Mineral King, July 7th, standing upon a rock in the middle of the east fork of the Kaweah River, which at this point is a mass of foaming rapids. Soon it started up the stream but quickly dived under the water to reappear a few moments later some distance below its starting point. This performance was repeated several times. An adult and two full grown young were secured on the Little Kern River at the foot of Shotgun Cañon, July 10th.

**86. *Oroscoptes montanus*.** Sage Thrasher.

The only Sage Thrasher observed was hanging with its neck pierced by a barb of a wire fence in Round Valley, July 19th.

**87. *Mimus polyglottos*.** Mockingbird.

Mockingbirds were living in the gardens at Lemoore, July 1st. Several were heard near Visalia, July 3d.

**88. *Harporhynchus redivivus*.** California Thrasher.

The "Mountain Mockingbird" was numerous in the Coast Range between Saratoga and Boulder, June 21st. Several were observed in the foothills near Watsonville, June 23d.

**89. *Harporhynchus lecontei*.** LeConte's Thrasher.

One was noted between Independence and Big Pine, July 18th.

**90. *Thryothorus bewickii spilurus*.** Vigor's Wren.

This Wren was frequently heard in the Coast Range north of Boulder, June 21st.

**91. *Certhia familiaris occidentalis*.** California Creeper.

Two Creepers were busily examining the trunk of a redwood near Boulder, June 22d. Several were seen at Weishar Mill (altitude 6,720 feet), July 7th. One was shot at Kern River Lakes, July 14th.

**92. *Parus inornatus*.** Plain Tit.

This bird was seen only in the Coast Range north of Boulder, where it was generally distributed, June 21st.

**93. *Parus rufescens neglectus*.** California Chickadee.

Troops of Chickadees scolded as I rode through the Coast Range between Saratoga and Boulder. One was seen near Watsonville, June 23d.

**94. *Chamæa fasciata*.** Wren Tit.

This little bird was rarely silent in the chaparral of the Coast Range north of Boulder, June 21st. Others heard near Watsonville and San Benito were probably of this form.

**95. *Chamæa fasciata henshawi*.** Pallid Wren Tit.

Wren Tits, which were heard, but not obtained, at Cain's Flat on the east fork of the Kaweah, July 5th, were doubtless of this pale race.

**96. *Psaltiriparus minimus californicus*.** California Bush Tit.

This Bush Tit was very abundant in the Coast Range near Boulder, June 21st, and also near San Benito, June 27th–28th. Several flocks were seen near the east fork of the Kaweah a few miles above Three Rivers, July 4th.

**97. *Regulus satrapa olivaceus*.** Western Golden-crowned Kinglet.

A Golden-crowned Kinglet flitted about in the pines near the trail between Shotgun Cañon and Trout Meadows, July 11th.

**98. *Turdus ustulatus*.** Russet-backed Thrush.

This species was in full song near Boulder, June 21st. Several were noted near Aptos, June 23d.

**99. *Merula migratoria propinqua*.** Western Robin.

Robins were first met among the pines along the east fork of the Kaweah, at an altitude of about 6,000 feet, July 6th. They were common in Shotgun Cañon and at Trout Meadows, July 10th–11th. Several were observed at Kern River Lakes, July 12th–14th.

**100. *Sialia mexicana occidentalis*.** Western Bluebird.

A few birds of this species were observed near Boulder, June 21st, one at Watsonville, June 23d, and others in San Benito Valley, June 26th–29th.

**101. *Sialia arctica*.** Mountain Bluebird.

Mountain Bluebirds were often seen in Shotgun Cañon, July 10th, but were not observed elsewhere.